

## INTERNATIONAL SEARCH REPORT

Intel      1st Application No  
PCT/IB2004/052329

## A. CLASSIFICATION OF SUBJECT MATTER

IPC 7    G11B7/12    G11B7/09    G11B7/085

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7    G11B

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, PAJ, WPI Data, IBM-TDB, INSPEC

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	EP 0 535 583 A (MATSUSHITA ELECTRIC INDUSTRIAL CO., LTD) 7 April 1993 (1993-04-07)	1-4, 17
A	column 8, line 24 - column 16, line 5; figures 1-11 column 1, line 14 - column 6, line 14	13-16
X	EP 1 253 587 A (KABUSHIKI KAISHA TOSHIBA) 30 October 2002 (2002-10-30)	9-12, 18, 19
A	paragraphs '0018! - '0029!; figures 3, 6, 15-20	5-8, 13-16
A	US 2002/075773 A1 (LEE JIN-WON) 20 June 2002 (2002-06-20) cited in the application the whole document	1-19
	----- -/-- -----	

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

## \* Special categories of cited documents :

\*A\* document defining the general state of the art which is not considered to be of particular relevance

\*E\* earlier document but published on or after the international filing date

\*L\* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

\*O\* document referring to an oral disclosure, use, exhibition or other means

\*P\* document published prior to the international filing date but later than the priority date claimed

\*T\* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

\*X\* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

\*Y\* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

\*&\* document member of the same patent family

Date of the actual completion of the international search

14 April 2005

Date of mailing of the international search report

21/04/2005

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2  
NL - 2280 HV Rijswijk  
Tel (+31-70) 340-2040, Tx. 31 651 epo nl,  
Fax (+31-70) 340-3016

Authorized officer

Hermann, R

## INTERNATIONAL SEARCH REPORT

International Application No  
PCT/IB2004/052329

## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	PATENT ABSTRACTS OF JAPAN vol. 2003, no. 01, 14 January 2003 (2003-01-14) & JP 2002 251758 A (VICTOR CO OF JAPAN LTD), 6 September 2002 (2002-09-06) cited in the application abstract -----	1-19
A	PATENT ABSTRACTS OF JAPAN vol. 1995, no. 07, 31 August 1995 (1995-08-31) -& JP 07 098875 A (RICOH CO LTD), 11 April 1995 (1995-04-11) abstract -----	1-19

## INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/IB2004/052329

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
EP 0535583	A	07-04-1993	JP 2770640 B2	02-07-1998
			JP 5151603 A	18-06-1993
			EP 0535583 A2	07-04-1993
EP 1253587	A	30-10-2002	JP 3517223 B2	12-04-2004
			JP 2002319150 A	31-10-2002
			EP 1253587 A2	30-10-2002
			US 2005002286 A1	06-01-2005
			US 2002154582 A1	24-10-2002
US 2002075773	A1	20-06-2002	KR 2002048241 A	22-06-2002
			JP 2002208146 A	26-07-2002
JP 2002251758	A	06-09-2002	NONE	
JP 07098875	A	11-04-1995	NONE	